CN-/7/ SUPER MARIOBROS.



IF TAKING A MASHROO"

IF TAKING A FLOWER,





MARIO BECOMES SUPER MARIO. MARIO BECOMES FIRE MARIO.

HOW TO PLAY

* START POINT AND TIME

CAME STARTS FROM HEAD OF EVERY AREA. WHEN MARIO IS MOVING TO HALF OF COURSE, IF HE IS ENCLOSED BY ENEMY, HE CAN START AGAIN FROM HALFWAY OF COURSE.

IN THE LAST CASTLE, YOU START FROM ENTRANCE.
WHEN MARIO STARTS, TIME ON UPSIDE RIGHT OF SCREEN RUNS SHORT.
WHEN REACHING COAL, REMAINING TIME IS ADDED AS A POINT.
IN THE LAST CASTLE, NO TIME BONUS.

IF TAKING A STAR,



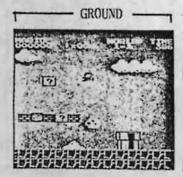


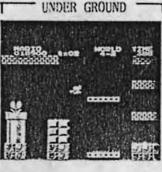
MARIO BECOMES INVINCIBLE MARIO.

* COAL

AT THE END OF EACH AREA THERE IS A SMALL CASTLE, AND IN FRONT OF IT BIG STAIRS AND POLE WITH FLAG. THE HIGHER POINT OF THE POLE YOU HOLD ON, THE MORE YOU GET BONUS POINT

IN TERMS OF PROGRAM, DEPENDING ON TELEVISION SET, AS THE CASE MAY BE, SUME PARTS OF LETTER ARE MISSING.

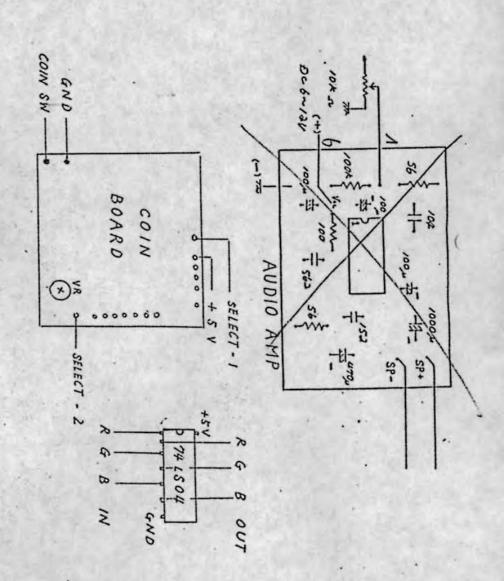








		+24V			VIDEO C			2P B-SV	2P A-SW	2P DOWN	2P UP	2P LEFT	2P RIGHT	2 PLAY	COIN 2		+124	+5V	+5V	GND	GND	PARTS SIDE
3	21	20	19	18	17	16	15	14	13	12	Ξ	10	9	8	7	6	5	4	ω	2	1	
7	~	×	•	٧	_	H	S	æ	P	Z	×	-	×	J	Ξ	F	E	D	C	В	A	S
GNO	CNO	COUNTER	TV AUDIO	VIDEO B	VIDEO R		SERVICE	IP B-SW	IP A-SW	IP DOWN	IP UP	IP LEFT	IP RIGHT	1 PLAY	COIN 1		+12V	+5V	+54	GND	GND	SOLDER SIDE



众众 SUPER 众众众众 众众 MARIO BROS. 众众众 CN-/7/ - FND +12 V LAUTSPRECHER (IN ND 10/00 Potentio you Prahi-

Super Mario Bross.

Steckerbelegung Standort Ad.K. 28pol.

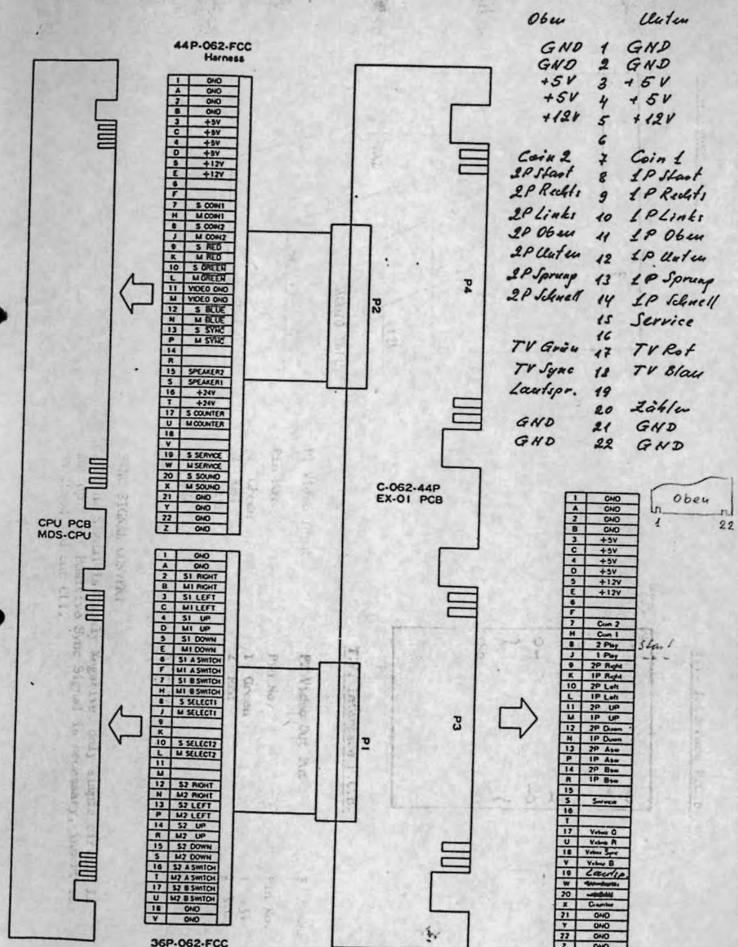
Oben .		Unten
GND	1	GND
GND	2	GND
+ 5 V	3	+ 5 V
+ 5 V	4	+ 5 V
+ 12 V	5	+ 12 V
Lautsprecher 1	. 6	Lautsprecher 1 & GND
Auf 1 Spieler	7	Auf 2 Spieler
Ab 1 Spieler	8 .	Ab 2 Spieler
Links 1 Spieler	9	Links 2 Spieler
Rechts 1 Spieler	10	Rechts 2 Spieler
Start 1 Spieler	11	Start 2 Spieler
Action A1 Spieler	12	Action 2 Spieler
Action B1 Speeler	13	Action 2 Spieler
	14	
	15	J 30 00
Münzschalter 1	16	Münzschalter 2
	17	the state of the s
	18	
Münzzähler 1	19	Münzzähler 2
(一起注:)	20	Section 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	21	
TV Rot	22	TV Blau
TV Grün	23	
Synchron & Synchron	24	
S. C.	25	
9/1/2	26 _	WASH.
GND	27	GND
GND	28	GND

CONNECTION OF INPUT/OUTPUT'

Herness

-

Al D1 new Si. Stand



DIP SW 2								
	1	2	3	4	5	6	7	8
1coin 1credit	OFF	OFF	OFF					
1coin 2credit	OFF	OFF	ON					
1coin 3credit	OFF	ON	OFF					
1coin 4credit	OFF	ON	ON					
2coin 1credit	ON	OFF	OFF					
3coin 1credit	ON	OFF	ON					
4coin 1credit	ON	ON	OFF					
FREE PLAY	ON	ON	ON					
NUMBER OF MARI	0	3		OFF				
11		4		ON				
PYTTPA COOPE CO	OOODTS				OFF			
EXTRA SCORE 50 NO SCORE	,00013				ON			
DIFFICULTY								
EASY . 1						OFF	OFF	
1 2						OFF	ON	
3			9.1			ON	OFF	
DIFFICULT 4						ON	ON	

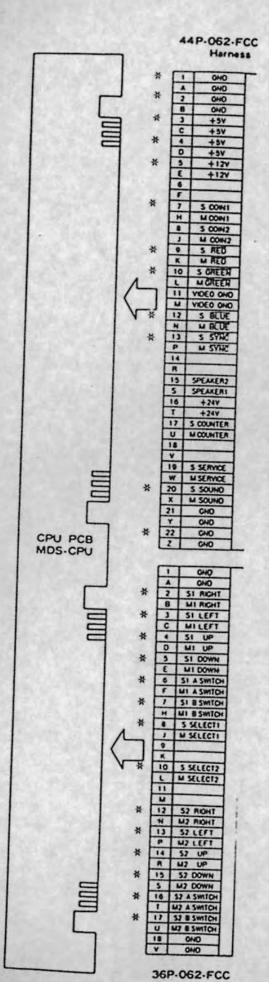
DIP SW 1 --- NOT USE

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SUPER MARIO BROS

MGS P.C. BOARD SET

OPERATORS MANUAL



"*" --- ONLY USE.

HOW TO CARE AV-01 BOARD

There are Video Signal Converter (Negative - Positive) and Audio Power Amp Circuit. Even though there is only one of them, board works correctly.

1. VIDEO SIGNAL CONVERTER

PI VIDEO IN

1-1 Position of Connector Pin

	20,000		
PIN No.	SIGNAL	PIN No.	SIGNAL
1	GREEN	1	GREEN
2	RED	2	RED
3	BLUE	,3	BLUE
4	GND	4	GND
5	GND	5	GND
6	SYNC	. 6	SYNC

1-2 Adjustment of VIDEO SINAL CONVERTER

Each R,G,B of Video Sigal Level is adjustable by Adjustable V. R. Please adjust according to level of your Monitor T.V.

P2 VIDEO OUT

P5 SOUND OUT

1-3 SYNC SIGNAL CONVERT

As SYNC Signal is usualy Negative, only simple circuit is set up. If Positive SYNC Signal is necessary, insert IC SN74LS04 and cut CL1.

1-4 CABLE

I/O Cable should be no longer than 1m.

2. AUDIO POWER AMP CIRCUIT

P4 SOUND IN

2-1 Position of Connector Pin

PIN No.	SIGNAL	PIN No.	SIGNAL
1	SOUND SIG	1	SPEAKER
2		2	SPEAKER
3		3	* * *

2-2 Setting up of Input Signal

According to Input Signal Level of Audio Power Amp, change the circuit and please use with proper Input Level. If it is used over proper Input Level, sound would be saturated or Volume VR 4 would be impossible to adjust sound.

INPUT LEVEL	HOW TO CHANGE CIRCUIT
2 V	Short SL1 with solder, and cut CL2
17	Needless to change circuit
0.5V	Short SL2 with solder, and cut CL2

2-3 CONFORM SPEAKER

42.8

Impedance 4 8 6W

Audio Power Amp Max. Output 12W (4)

3. CAPACITY OF POWER SUPPLY

3-1 INPUT CONNECTOR

P3 POWER IN

PIN No.	SIGNAL						
1	+5V						
2	+12V						
3	GND *	1	*1	GND	for	VIDEO	SIGNAL CONVERTER
4	GND *	2	*2	GND	for	AUDIO	POWER AMP CIRCUIT

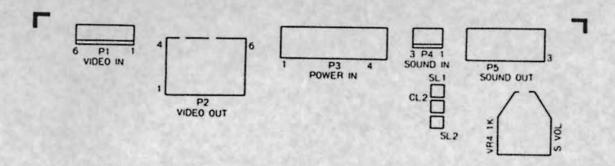
3-2 CAPACITY OF POWER SUPPLY

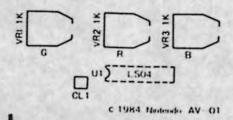
+5V 0.2A For Video Signal Converter +12V 1.5A For Audio Power Amp Circuit

3-3 CONNECTION OF GND

GND of VIDEO SIGNAL CONVERTER. and Audio Power Amp Circuit is independent from AV-01 Board completely. Please connect each GND correctly.

4. REFFERING CHART

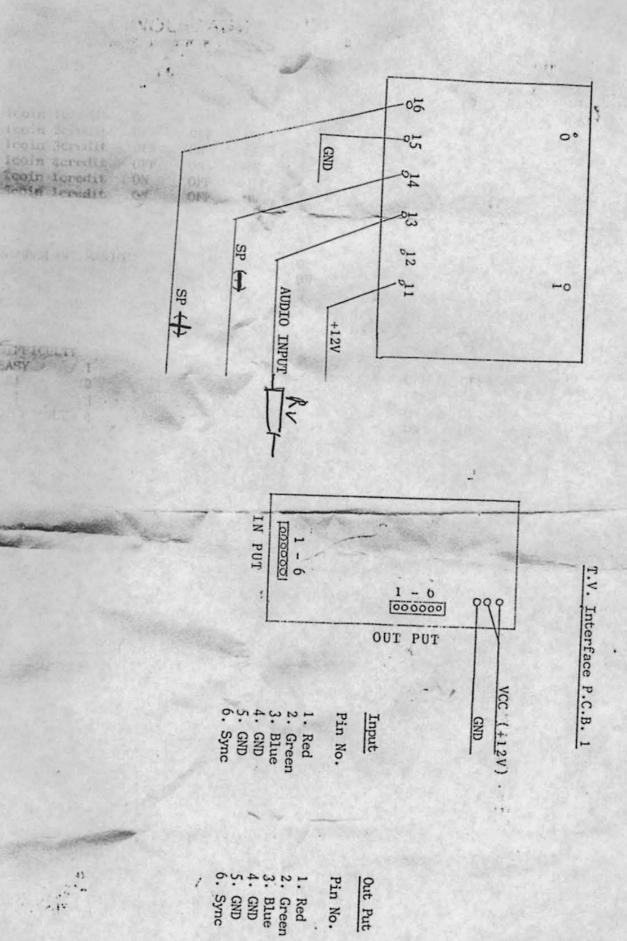




DIP SW 2								
	1	2	3	4	5	6	7	8
1coin 1credit	OFF	OFF	OFF					
2coin 1credit	OFF	OFF	ON					
3coin 1credit	OFF	ON	OFF					
1coin 2credit	OFF	ON	ON					
1coin 3credit	ON	OFF	OFF					
1coin 4credit	ON	OFF	ON					
1coin 5credit	ON	ON	OFF					
FREE PLAY	ON	ON	ON					
NUMBER OF MARIE	0	3		OFF				
		2		ON				
EXTRA SCORE 50,	000PTS				OFF			
NO SCORE					ON			
DIFFICULTY								
EASY 1						OFF	OFF	
1 2						OFF	ON	
3						ON	OFF	
DIFFICULT 4						ON	ON	

DIP SW 1 --- NOT USE

1



Pin No.

Out Put

Q'